

SLEEP, SLEEP DISORDERS, AND BIOLOGICAL RHYTHMS**Mississippi Competencies for Biology**

Lesson	Competency	Description
1, 2, 4	1.c	Apply the components of scientific processes and methods in the classroom and laboratory investigations.
1, 2, 3, 4	1.d	Communicate results of scientific investigations in oral, written, and graphic form.
1, 3, 4, 5	6.f	Analyze the results of natural selection in speciation, diversity, adaptation, behavior and extinction.

Mississippi Competencies for Human Anatomy and Physiology

Lesson	Competency	Description
1, 2, 3	2.a	Define the terms: anatomy, physiology, and homeostasis; explain the importance of the interaction between structure and function of organs and organ systems in the human body.
2, 3, 4, 5	5.d	Identify the structure and function of the human systems, explore the interactions among the systems and investigate major disorders/diseases associated with each – Nervous system.

Mississippi Competencies for Pre-Algebra

Lesson	Competency	Description
Pre-lesson, 1, 3	1.b	Solve real-life problems involving addition, subtraction, multiplication, and division of rational numbers (i.e., integers, decimals, fractions, and mixed numbers.)
Pre-lesson, 1, 3	1.d	Add, subtract, multiply, and divide rational numbers (i.e., integers, decimals, fractions, and mixed numbers) with and without calculators.
3	5.a	Construct and interpret histograms, bar graphs, line graphs, frequency tables, circle graphs, stem-and-leaf plots, box-and-whisker plots, and scatter plots from given data.
1, 3, 5	5.b	Predict patterns or generalize trends based on given data.
Pre-lesson, 1, 2, 3, 4	5.g	Collect data. Select and justify the most appropriate representations to organize, record and communicate data.

Mississippi Competencies for Algebra I

Lesson	Competency	Description
Pre-lesson,	1	Understand relationships between numbers and their properties and perform operations fluently.

MISSISSIPPI ALIGNMENT FOR NIH SUPPLEMENT SLEEP, SLEEP DISORDERS, AND BIOLOGICAL RHYTHMS

1, 3, 5		
All lessons	5.a	Collect, organize, graph, and interpret data sets.
Mississippi Competencies for Language Arts – Grades 9 & 10		
Lesson	Competency	Description
All lessons	3	The student will produce, analyze, and evaluate effective communication.
All lessons	3.c	The student will compose responses to literature, position papers, and expository essays in the informative mode clearly expressing a main idea thoroughly developed by relevant supporting details, which are well elaborated and sufficient in number.
All lessons	4	The student will use standard English grammar, mechanics, and sentence structure to communicate.
Mississippi Competencies for Comprehensive Health – Grades 9 - 12		
Lesson	Competency	Description
3	3.a	Evaluate how environmental health problems impact personal and community health.
5	3.c	Relate connections between human and environmental factors to the risk of accidents.
4, 5	7.b	Demonstrate the ability to work cooperatively when advocating for healthy individuals.